



TT4000

RoHS Compliant Standard

# TCXOs, VCTCXOs TT~VT4000 Series TCXO/VCTCXO Ultra Low Profile, SMD

### Features:

- ◆ Up to 40.00MHz
- ◆ Ultra-miniature SMD package
- ◆ +2.8 volt operation available
- ◆ Low current drain

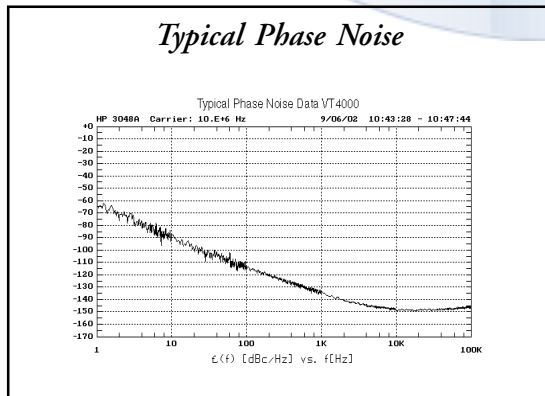
### Model: TT/VT4000 Series Specifications

Parameter		TCXO	VCTCXO
Frequency Range		10.00 - 40.00 MHz <sup>1</sup>	
Operating Temperature Range		0 to 55°C to -40 to 85°C	
Frequency	vs. Temperature	±0.5 to ±5.0 ppm	
Stability	vs. Supply Voltage	±0.2 ppm (±5% change)	
	vs. Aging	±1.0 ppm/year	
Supply Voltage		+2.8 V, +3 V or +5 V ±5%	
Current Consumption	10.00MHz to 14.99MHz	1.5 mA max.	
	15.00MHz to 25.99MHz	2.0 mA max.	
	26.00MHz to 40.00MHz	2.5 mA max.	
Output Load		0.8V p-p max. (Clip Sine)	
Output Logic		10 kΩ // 10 pF (±10%)	
Input Impedance		1.0 M Ohms	
Start up Time		2 mSec	
Deviation (VCTCXO only)		N/A	±25 ppm Max.
Control Voltage (VCTCXO only)		N/A	+0.5 to +2.5 V

(1) 36.00 to 40.00MHz only available at 2.8 volts to 3.3 volts.

TCXO/ VCTCXO: TT-VT4000 Series

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Temperature	Stability (ppm)
0 to 55°C	±0.5, ±1.0, ±1.5, ±2.0, ±2.5
-10 to 60°C	±1.0, ±1.5, ±2.0, ±2.5
-20 to 70°C	±1.0, ±1.5, ±2.0, ±2.5
-40 to 85°C	±1.0, ±1.5, ±2.0, ±2.5

See Next Page for Drawing

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